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RA Blakesley R.W., Touchman J.W., Green E.D., Dickson M.C.,
RA Rodriguez A.C., Grimwood J., Schmutz J., Myers R.M., Butterfield Y.S.,
RA Krzywinski M.I., Skalska U., Smailus D.E., Schnerch A., Schein J.E.,
RA Jones S.J., Marra M.A.;
RA "Generation and initial analysis of more than 15,000 full-length human
RA and mouse cDNA sequences.";
RA Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903(2002).
RN [3]
RN SEQUENCE FROM N.A.
RC TISSUE=Bone marrow, Colon, and Kidney;
RA Strausberg R.;
RL Submitted (APR-2003) to the EMBL/GenBank/DBJ databases.
DR EMBL; AF229179; AAG09466.1; -
DR EMBL; BC015099; AAH15099.1; -
DR EMBL; BC014317; AAH14317.1; -
DR EMBL; BC050606; AAH50606.1; -
KW Hypothetical protein.
SQ SEQUENCE 222 AA; 25235 MW; 52C0ED522134ED05 CRC64;

Query Match 97.4%; Score 1073; DB 4; Length 222;
Best Local Similarity 100.0%; Pred. No. 2.7e-105;
Matches 206; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLWLLFFLVTAHAEHCQPGNAFKVRLSIRTAGDKAYAWDTNEEYLFKAMVAFSMRK 60
Db 1 MLWLLFFLVTAHAEHCQPGNAFKVRLSIRTAGDKAYAWDTNEEYLFKAMVAFSMRK 60
Qy 61 VPNEATEISHVLLCNVTQVSFVVTDPKSHNTLPAAVEQSAIRNKNRINNAFFLND 120
Db 61 VPNEATEISHVLLCNVTQVSFVVTDPKSHNTLPAAVEQSAIRNKNRINNAFFLND 120
Qy 121 QTLEFLKIPSTLAPMPDPSVPWIIIFGVIFCIIVALLISGIWQRKKKEPSEVD 180
Db 121 QTLEFLKIPSTLAPMPDPSVPWIIIFGVIFCIIVALLISGIWQRKKKEPSEVD 180
Qy 181 DAEDKCNMTIENGIPSDPLDMKGG 206
Db 181 DAEDKCNMTIENGIPSDPLDMKGG 206

RESULT 2
Q9ESG4 PRELIMINARY; PRT; 222 AA.
ID Q9ESG4 AC Q9ESG4
DT 01-MAR-2001 (TrEMBLrel. 16, Created)
DT 01-MAR-2001 (TrEMBLrel. 16, Last sequence update)
DT 01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
DE Kidney-specific membrane protein NX-17 (061008J07Rik protein).
GN NX17 OR 061008J07RIK.
OS Mus musculus (Mouse).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
CX NCBI_TaxID=10090;
[1]
RP SEQUENCE FROM N.A.
RC STRAIN=ICB;
RX MEDLINE=99362608; PubMed=10432394;
RA Zhang H., Wada J., Kanwar Y.S., Tsuchiyama Y., Hiragushi K., Hida K.,
RA Shikata K., Makino H.;
RA "Screening for genes up-regulated in 5/6 nephrectomized mouse
RA kidney.";
RL Kidney Int. 56:549-558(1999).
RN [2]
RN SEQUENCE FROM N.A.
RC STRAIN=C57BL/6J; TISSUE=Kidney;
RX MEDLINE=21085660; PubMed=11217851;
RA Kawai J., Shinagawa A., Shibata K., Yoshino M., Itoh M., Ishii Y.,
RA Arakawa T., Hara A., Fukunishi Y., Konno H., Adachi J., Fukuda S.,
RA Aizawa K., Izawa M., Nishi K., Kiyosawa H., Kondo S., Yamazaki I.,
RA Saito T., Okazaki Y., Gojobori T., Bono H., Kasukawa T., Saito R.,
RA Kadota K., Matsuda H.A., Aehburner M., Batalov S., Casavant T.,
RA Fleischmann W., Gaasterland T., Gissi C., King B., Kochiwa H.,
RA Kuehl P., Lewis S., Matsuo Y., Nikaide I., Pesole G., Quackenbush J.,
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RA Schriml L.M., Staubli F., Suzuki R., Tomita M., Wagner L., Washio T.,
RA Sakai K., Okido T., Furuno M., Aono H., Baldarelli R., Barsh G.,
RA Blake J., Boffelli D., Bojunga N., Carninci P., de Bonaldo M.F.,
RA Brownstein M.J., Bult C., Fletcher C., Fujita M., Gariboldi M.,
RA Gustincich S., Hill D., Hofmann M., Hume D.A., Kamiya M., Lee N.H.,
RA Lyons P., Marchionni L., Mashima J., Mazzarelli J., Mombaerts P.,
RA Nordone P., Ring B., Ringwald M., Rodriguez I., Sakamoto N.,
RA Sasaki H., Sato K., Schoenbach C., Seya T., Shibata Y., Storch K.F.,
RA Suzuki H., Toyooka K., Wang K.H., Weitz C., Whittaker C., Wilming L.,
RA Wynshaw-Boris A., Yoshida K., Hasegawa Y., Kawaji H., Kohtsuki S.,
RA Hayashizaki Y.;
RA "Functional annotation of a full-length mouse cDNA collection.";
RL Nature 409:685-690(2001).
RN [3]
RN SEQUENCE FROM N.A.
RC STRAIN=FVB/N; TISSUE=Kidney;
RX MEDLINE=22388257; PubMed=12477932;
RA Strausberg R.L., Feingold E.A., Grouse L.H., Derge J.G.,
RA Klausner R.D., Collins F.S., Wagner L., Shenmen C.M., Schuler G.D.,
RA Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,
RA Hopkins R.F., Jordan H., Moore T., Max S.I., Wang J., Heide F.,
RA Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,
RA Stapleton M., Soares M.B., Bonaldo M.F., Casavant T.L., Scheetz T.E.,
RA Brownstein M.J., Usdin T.B., Toshiyuki S., Carninci P., Prange C.,
RA Raha S.S., Iqbalan N.A., Peters G.J., Abramson R.D., Mullaby S.J.,
RA Bosak S.A., McEwan P.J., McKernan K.J., Malek J.A., Gunaratne P.H.,
RA Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,
RA Villalón D., Muzny D.M., Sodergren E.J., Lu X., Gibbs R.A.,
RA Fahey J., Heltan E., Kettman M., Madan A., Rodriguez S., Sanchez A.,
RA Whitting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G.,
RA Blakesley R.W., Touchman J.W., Green E.D., Dickson M.C.,
RA Rodriguez A.C., Grimwood J., Schmutz J., Myers R.M., Butterfield Y.S.,
RA Krzywinski M.I., Skalska U., Smailus D.E., Schnerch A., Schein J.E.,
RA Jones S.J., Marra M.A.;
RA "Generation and initial analysis of more than 15,000 full-length human
RA and mouse cDNA sequences.";
RL Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903(2002).
RN [4]
RN SEQUENCE FROM N.A.
RC STRAIN=FVB/N; TISSUE=Kidney;
RA Strausberg R.;
RL Submitted (MAR-2003) to the EMBL/GenBank/DBJ databases.
DR EMBL; AF178085; AAG09306.1; -
DR EMBL; AK002337; BAB22022.1; -
DR EMBL; BC049912; AAH49912.1; -
DR MGD; MGI:1926234; Nx17.
SQ SEQUENCE 222 AA; 25070 MW; C07E732CEB92935A9 CRC64;

Query Match 84.2%; Score 928; DB 11; Length 222;
Best Local Similarity 84.5%; Pred. No. 6e-90;
Matches 174; Conservative 15; Mismatches 17; Indels 0; Gaps 0;

Qy 1 MLWLLFFLVTAHAEHCQPGNAFKVRLSIRTAGDKAYAWDTNEEYLFKAMVAFSMRK 60
Db 1 MLWLLFFLVTAHAEHCQPGNAFKVRLSIRTAGDKAYAWDTNEEYLFKAMVAFSMRK 60
Qy 61 VPNEATEISHVLLCNVTQVSFVVTDPKSHNTLPAAVEQSAIRNKNRINNAFFLND 120
Db 61 VPNEATEISHVLLCNVTQVSFVVTDPKSHNTLPAAVEQSAIRNKNRINNAFFLND 120
Qy 121 QTLEFLKIPSTLAPMPDPSVPWIIIFGVIFCIIVALLISGIWQRKKKEPSEVD 180
Db 121 QTLEFLKIPSTLAPMPDPSVPWIIIFGVIFCIIVALLISGIWQRKKKEPSEVD 180
Qy 181 DAEDKCNMTIENGIPSDPLDMKGG 206
Db 181 DAEDKCNMTIENGIPSDPLDMKGG 206

RESULT 3
Q9ESG3 PRELIMINARY; PRT; 222 AA.
ID Q9ESG3 AC Q9ESG3
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